

10



Europäisches Patentamt  
European Patent Office  
Office européen des brevets

11 Publication number:

0 232 096  
A3

12

# EUROPEAN PATENT APPLICATION

21 Application number: 87300610.0

51 Int. Cl.<sup>2</sup>: H 04 R 1/22  
H 04 R 1/10

22 Date of filing: 23.01.87

23 Priority: 23.01.86 GB 8601635

43 Date of publication of application:  
12.06.87 Bulletin 87/33

60 Date of deferred publication of search report: 05.10.88

69 Designated Contracting States:  
AT BE CH DE ES FR GB GR IT LI LU NL SE

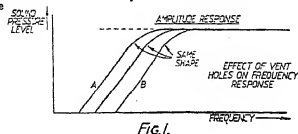
71 Applicant: PLESSEY OVERSEAS LIMITED  
Vicarage Lane  
Ilford Essex IG1 4AQ(GB)

72 Inventor: Salloway, Anthony John  
11 Furber Court The Arbours  
Northampton Northamptonshire(GB)

74 Representative: Sorenti, Gino  
Intellectual Property Department The Plessey Company  
plc 2-80 Vicarage Lane  
Ilford Essex IG1 4AQ(GB)

54 Acoustic transducers.

67 An acoustic transducer, such as a headphone 2, comprises a housing with a vent 16 for venting fluid medium from the housing. The vent is dimensioned to ensure that laminar flow of the fluid medium through the vent 16 is maintained throughout the working range of the drive unit 14 of the transducer so that the amplitude response and phase response of the transducer are substantially invariant throughout the working range of the drive unit 14.



EP 0 232 096 A3

Croydon Printing Company Ltd.

INSDOCID: <EP \_ \_ \_ 0232096A3 1 \_>



European Patent  
Office

# EUROPEAN SEARCH REPORT

0232096

Application Number

EP 87 30 0610

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
Y	AT-A- 337 795 (R. GÖRIKE) * Figures; page 2, lines 19-44; claim 1	1	H 04 R 1/22 H 04 R 1/10
A	---	2,3	
Y	GB-A- 819 146 (STANDARD TELEPHONES AND CABLES) * Page 1, lines 9-74; figures; claim 1	1	
A	---	6	
A	US-A-3 602 329 (B. BAUER) * Figures; claims *	1,2,4,5	
A	US-A-4 071 717 (W. FIDI) * Column 2, lines 18-31; claims; figures *	1-5,7-9	
A	EP-A-0 064 553 (SONY) * Claims; figures *	10	
A	CH-A- 558 121 (H. PEIKER) * Claims; figures *	1,6,11	TECHNICAL FIELDS SEARCHED (Int. Cl.4)  H 04 R
The present search report has been drawn up for all claims			
Place of search <b>THE HAGUE</b>		Date of completion of the search <b>11-07-1988</b>	Examiner <b>MINNOYE G.W.</b>
<b>CATEGORY OF CITED DOCUMENTS</b> X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

EPIC FORM 600 (01-87) (P.001)

INSDOCID: <EP.....0232096A3 I >